

*Tuesday, April 10, 2012 2:32:51 PM*

**Item ID:** D3912-041

**Accept**

**\*N900040100\***

Setup Start \*NS1\*

Revision ID:

Stop **\*NS2\***

**Item Name:** Eyebolt Receiver Assembly

**Start Date:** 4/10/2012      **Start Qty:** 10.00

\*10\*

**Cust Item ID:**

**Required Date:** 4/20/2012      **Req'd Qty:** 10.00

**\*10\***

**Customer:**

**Reference:**

Run Start \*NR1\*

**Approvals:**                      **Process Plan:**

Date: 12-04-10

### Tooling:

Date:

Stop **\*NR2\***

QC:

**Date:****SPC (Y/N):**

Date:

[illegible]

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Page 2

11205-3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Tuesday, April 10, 2012 2:32:55 PM

Page 1

Work Order ID: 82898

\*82898\*

Parent Item: D3912-041

\*D3912-041\*

Parent Item Name: Eyebolt Receiver Assembly

Start Date: 4/10/2012

Required Date: 4/20/2012

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP RevA: new issue DD 09.11.18 verified by:EC IPP Rev:B  
10.06.10 memo in seq110 \*\*\*IF PLUNGER GOES IN TO DEEP, INSTALL A  
WASHER (AN960C516L) IF NECESSARY BETWEEN PLUNGER AND  
D3912-1. YOU MAY HAVE TO ENLARGE WASHER HOLE FOR IT TO  
FIT\*\*\* DD verf:JLM IPP REV:C AS PER REV B 10-08-05 JLM  
VERIFIED:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

NAS1149C0663R

Purchased

No

Each

187.0000

10

\*NAS1149C0663R\*

Washer

\*\*

Location

Loc Qty

Loc Code

ST297

187

116893

187

10

D3912-1

Manufactured

No

100

Each

13.0000

1

10

\*D3912-1\*

Eyebolt

\*\*

Location

Loc Qty

Loc Code

FG091

-12

69593

0

ST070

13

77073

12

77552

1

ST091

12

2

D3912-3

Manufactured

No

100

Each

16.0000

2

20

\*D3912-3\*

Eyebolt Block

\*\*

Location

Loc Qty

Loc Code

ST070

16

82040

16

B 82899  
8x

B 82900  
8x  
B 83366  
12x

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Page 2

Tuesday, April 10, 2012 2:32:55 PM

Work Order ID: 82898

\*82898\*

Parent Item: D3912-041

\*D3912-041\*

Parent Item Name: Eyebolt Receiver Assembly

Start Date: 4/10/2012

Required Date: 4/20/2012

Start Qty: 10.00

Required Qty: 10.00

D3912-5 Manufactured No

100 Each 22.0000 2 20

\*D3912-5\*

Eyebolt Plate

\*\*

Location

Loc Qty

Loc Code

ST070

22

81458

2

82042

20

D3801-1 Manufactured No

Each 37.0000 10

\*D3801-1\*

Hand Retractable Spring Plunger

\*\*

Location

Loc Qty

Loc Code

GA

25

81810

25

ST064

12

75178

10

81810

2

MS20615-4M20 Purchased No

100 Each 58.0000 8 80

\*MS20615-4M20\*

RIVET

\*\*

Location

Loc Qty

Loc Code

FP

32

120644

32

GA

26

119546

26

*Handwritten:* 4/12/05/02  
B82901 (4x)  
B83367 (5x)

*Handwritten:* 4/12/05/02

*Handwritten:* 4/12/05/02  
M121463 (4x)  
M121339 (34x)

Tuesday, April 10, 2012 2:32:55 PM

Shop Packet Print

Page 2

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

**Part No:** \_\_\_\_\_ **PAR #:** \_\_\_\_\_ **Fault Category:** \_\_\_\_\_ **NCR: Yes No** **DQA:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Resolution:** \_\_\_\_\_ **Disposition:** \_\_\_\_\_ **QA: N/C Closed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Page 3

Tuesday, April 10, 2012 2:32:55 PM

Work Order ID: 82898

\*82898\*

Parent Item: D3912-041

\*D3912-041\*

Parent Item Name: Eyebolt Receiver Assembly

Start Date: 4/10/2012

Required Date: 4/20/2012

Start Qty: 10.00

Required Qty: 10.00

MS21209-F615

Purchased

No

Each

53.0000

10

**\*MS21209-F615\***

\*\*

Heli-Coil

Location

Loc Qty

Loc Code

ST304

18

108170

11

108244

7

ST305

35

108170

0

108244

0

120072

35

*EP 4/15/12*  
*M121561*  
*10X*

Tuesday, April 10, 2012 2:32:55 PM

Shop Packet Print

Page 3

# Dart Aerospace Ltd

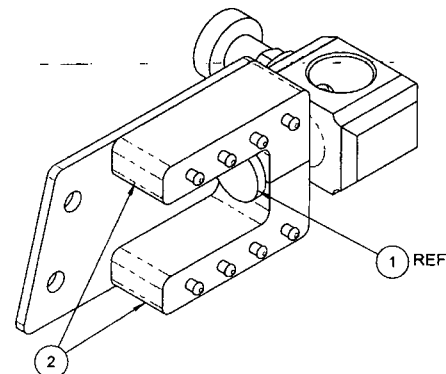
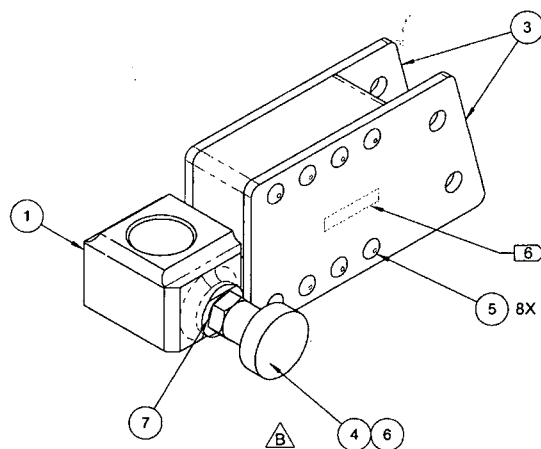
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

ITEM	QTY -041	P/N	DESCRIPTION
	X	D3912-041	EYEBOLT RECEIVER ASSY
1	1	D3912-1	EYEBOLT
2	2	D3912-3	EYEBOLT BLOCK
3	2	D3912-5	EYEBOLT PLATE
4	1	D3801-1	SPRING PLUNGER
5	8	MS20615-4M20	RIVET
6	1	MS21209-F615	HELICAL
7	1	NAS1149F0332P	WASHER



SUPPLEMENTAL ISO VIEW  
(EYEBOLT PLATE REMOVED  
TO SHOW INTERIOR FEATURES)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 82898

*R120410*

**D3912-041 EYEBOLT RECEIVER ASSY**

- NOTES:  
1) MATERIAL: N/A  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: IDENTIFY WITH DART P/N D3912-041 USING FINE POINT PERMANENT INK MARKER  
7) WEIGHT -041: 1.58 lbs

B	D3801-1 WAS D3810-1 SPRING PLUNGER; D4028-041 RMV; MS21209-F615 WAS MS21209-C610 HELICAL; (1) WASHER NAS1149C0663R ADDED; BOSS ADDED TO D3912-1.	JPH	10.06.28
A	NEW ISSUE	JPH	10.03.04
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>ALS</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>JS</i>	DRAWING NO.	REV. B
CHECKED	<i>JS</i>	D3912	SHEET 1 OF 3
MFG. APPR.	<i>JS</i>	TITLE	SCALE
APPROVED	<i>JS</i>	EYEBOLT RECEIVER ASSY	NTS
DE APPR.	<i>JS</i>	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRELIMINARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	10.06.28		

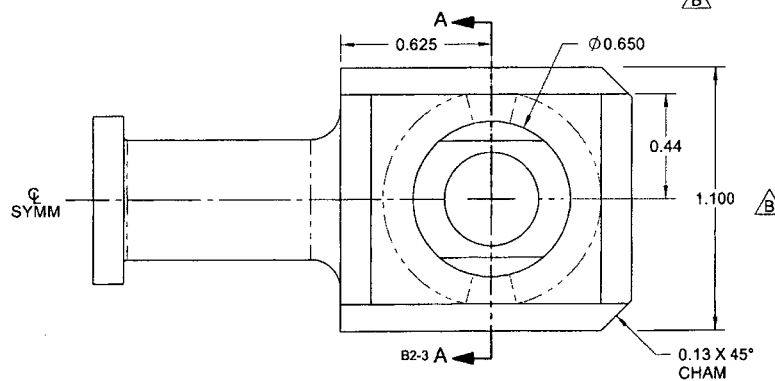
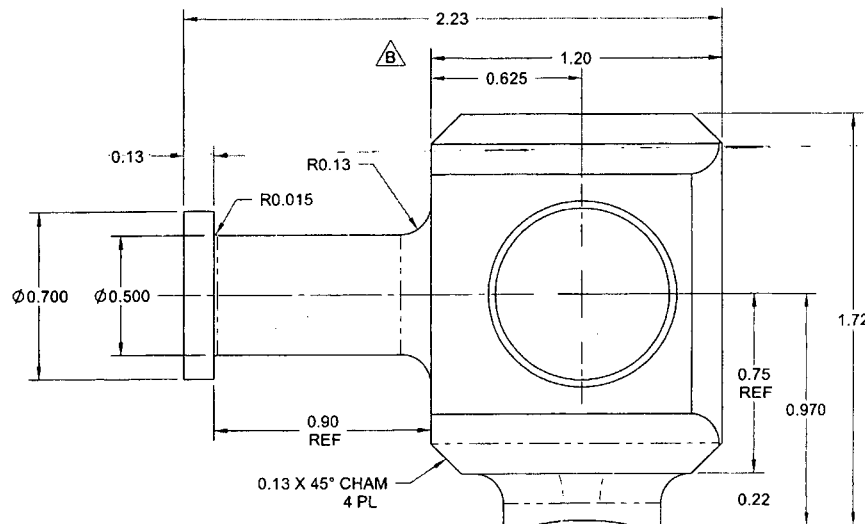
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

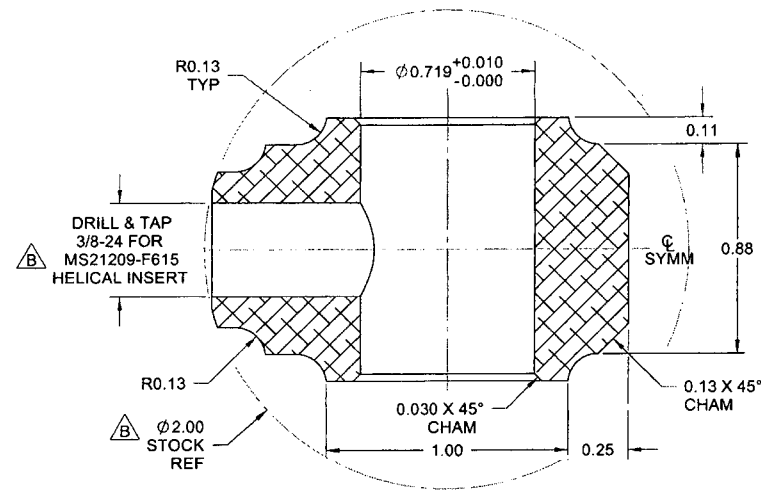
**NOTE:** Date & initial all entries



### D3912-1 EYEBOLT

#### NOTES:

- 1) MATERIAL: 303/304/316 STAINLESS STEEL ROUND BAR, PER ASTM A276 OR ASTM A582  
REF DART SPEC M303R OR M304R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ID AT ASSEMBLY
- 7) WEIGHT: 0.45 lbs



#### SECTION A-A B6-3

**RELEASED**  
2010-07-16

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	8/1	HAWKESBURY, ONTARIO, CANADA	
CHECKED	8/1	DRAWING NO.	REV. B
MFG. APPR.	8/1	D3912	SHEET 2 OF 3
APPROVED	8/1	TITLE	SCALE
DE APPR.	8/1	EYEBOLT RECEIVER ASSY	NTS
DATE	10.06.28	<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

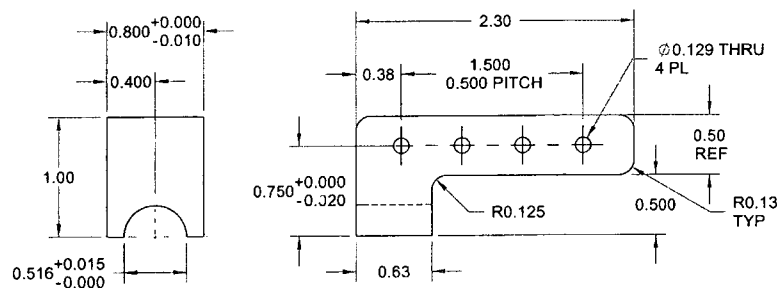
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

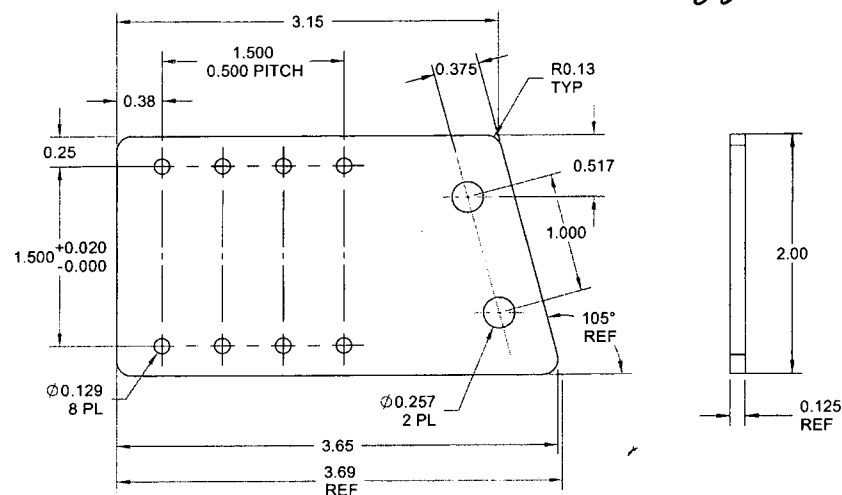
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



**D3912-3 EYEBOLT BLOCK**



**D3912-5 EYEBOLT PLATE**

**NOTES:**

1) MATERIAL -3: 303/304/316 STAINLESS STEEL BAR, PER ASTM A276  
REF DART SPEC M303B OR M304B

-5: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B, 0.125 THK  
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240  
REF DART SPEC M303S11GA OR M304S11GA

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: ID AT ASSEMBLY

7) WEIGHT -3: 0.30 lbs

-5: 0.24 lbs

**RELEASED**  
2010-07-16

DESIGN	115	<b>DART AEROSPACE LTD</b>	
DRAWN	BT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	BT	DRAWING NO.	REV. B
MFG. APPR.	BT	D3912	SHEET 3 OF 3
APPROVED	BT	TITLE	SCALE
DE APPR.	BT	EYEBOLT RECEIVER ASSY	NTS
DATE	10.06.28	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries